

What is claimed is:

1. A motor comprising:

a motor arrangement;

a speed reducing arrangement that includes:

a speed reducing mechanism that decelerates rotation of the motor arrangement; and

a speed reducing mechanism receiving portion that receives the speed reducing mechanism;

a control circuit board that is received in the speed reducing mechanism receiving portion, wherein at least motor-side terminals for supplying electric power to the motor arrangement are mounted on the control circuit board as electrical circuit components; and

a connector housing, to which an external connector for connecting with the motor-side terminals is fitted, the motor being characterized in that:

the connector housing is formed separately from the speed reducing mechanism receiving portion;

the connector housing at least includes:

a connector supporting member that supports the external connector relative to the speed reducing mechanism receiving portion; and

an installation opening sealing member that is elastically deformable; and

the installation opening sealing member is interposed between the connector supporting member and an outer surface of

the speed reducing mechanism receiving portion and is secured to a connector installation opening, which is formed in the speed reducing mechanism receiving portion.

2. The motor according to claim 1, characterized in that:  
the connector supporting member is formed into a tubular body and includes an annular flange portion, which protrudes outward from an outer peripheral surface of the connector supporting member; and

the installation opening sealing member is interposed between the flange portion and the outer surface of the speed reducing mechanism receiving portion, which is located around the connector installation opening.

3. The motor according to claim 1 or 2, characterized in that:  
the connector supporting member is formed into a tubular body, which has a bottom that includes through holes for receiving the motor side terminals threthrough; and  
a terminal sealing member is provided around the motor-side terminals, wherein the terminal sealing member is elastically deformable and is pressed against and brought into contact with the bottom of the connector supporting member.

4. The motor according to claim 1 or 2, further characterized by a connector block that supports the motor-side terminals relative to the control circuit board, wherein a terminal sealing member is interposed between the connector supporting member and

the connector block, and the terminal sealing member is elastically deformed between the connector supporting member and the connector block to seal between the connector supporting member and the connector block.

5. The motor according to any one of claims 1 to 4, characterized in that the connector supporting member has a stopper portion that is anchored to an inner surface of the speed reducing mechanism receiving portion.

6. The motor according to any of claims 1 to 5, characterized in that:

the connector housing includes an inner panel sealing member;

the inner panel sealing member is brought into tight contact with a portion of an inner panel of a vehicle door, which is located around an insertion opening of the inner panel, so that the inner panel sealing member seals the insertion opening of the inner panel; and

the inner panel sealing member is made as the same member as the installation opening sealing member.

7. The motor according to claim 6, characterized in that the inner panel sealing member is molded integrally with the installation opening sealing member.

8. The motor according to claim 6 or 7, characterized in that

the inner panel sealing member is made as the same member as the terminal sealing member.

9. The motor according to claim 8, characterized in that the inner panel sealing member is molded integrally with the terminal sealing member.

10. The motor according to any of claims 6 to 9, characterized in that the inner panel sealing member is molded integrally with the connector supporting member.

11. The motor according to any of claims 1 to 10, characterized in that:

at least the motor arrangement and the speed reducing arrangement are disposed outside an inner panel of a vehicle door; and

the external connector is inserted from inside the inner panel through an insertion opening formed in the inner panel.

12. A method for manufacturing a motor, which includes:

a motor arrangement;

a speed reducing arrangement that includes:

a speed reducing mechanism that decelerates rotation of the motor arrangement; and

a speed reducing mechanism receiving portion that receives the speed reducing mechanism;

a control circuit board that is received in the speed

reducing mechanism receiving portion, wherein at least a motor-side connector for supplying electric power to the motor arrangement is mounted on the control circuit board as an electrical circuit component; and

a connector housing, to which an external connector for connecting with the motor-side connector is fitted, the method being characterized by:

molding the connector housing separately from the speed reducing mechanism receiving portion in such a manner that the connector housing at least includes:

a connector supporting member that supports the external connector relative to the speed reducing mechanism receiving portion; and

an installation opening sealing member that is elastically deformable;

interposing the installation opening sealing member between the connector supporting member and an outer surface of the speed reducing mechanism receiving portion; and

securing the installation opening sealing member to a connector installation opening, which is formed in the speed reducing mechanism receiving portion.